

Stanford



David Ehrhardt

Assistant Professor, Biology

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor, Biology

Teaching

COURSES

2021-22

- Advanced Cell Biology: BIOC 224, MCP 221 (Win)
- Advanced Imaging Lab in Biophysics: APPPHYS 232, BIO 132, BIO 232, GENE 232 (Spr)

2020-21

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)

2018-19

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)
- Advanced Imaging Lab in Biophysics: APPPHYS 232, BIO 132, BIO 232, BIOPHYS 232, GENE 232 (Spr)

Publications

PUBLICATIONS

- **CLASP stabilization of plus ends created by severing promotes microtubule creation and reorientation.** *The Journal of cell biology*
Lindeboom, J. J., Nakamura, M., Saltini, M., Hibbel, A., Walia, A., Ketelaar, T., Emons, A. M., Sedbrook, J. C., Kirik, V., Mulder, B. M., Ehrhardt, D. W.
2018
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- **50 years of Arabidopsis research: highlights and future directions** *NEW PHYTOLOGIST*
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- **Visualization of cellulose synthases in Arabidopsis secondary cell walls** *SCIENCE*
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- **GCP-WD mediates ?-TuRC recruitment and the geometry of microtubule nucleation in interphase arrays of Arabidopsis.** *Current biology*
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Galva, C., Kirik, V., Lindeboom, J. J., Kaloriti, D., Rancour, D. M., Hussey, P. J., Bednarek, S. Y., Ehrhardt, D. W., Sedbrook, J. C.
2014; 26 (11): 4409-4425
- **COPI Jointly Modulates Cytoskeletal Processes and Electrophysiological Responses Required for Stomatal Closure.** *Molecular plant*
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- **The Phragmoplast-Orienting Kinesin-12 Class Proteins Translate the Positional Information of the Preprophase Band to Establish the Cortical Division Zone in Arabidopsis thaliana** *PLANT CELL*
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- **Patterning and Lifetime of Plasma Membrane-Localized Cellulose Synthase Is Dependent on Actin Organization in Arabidopsis Interphase Cells** *PLANT PHYSIOLOGY*
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